

MD iMap Technical Committee Meeting Minutes

Place: Maryland Department of the Environment (MDE): Terra Conference Room (Baltimore, Maryland)

Date: 08/04/10

Time: 1:00 PM – 3:30 PM

Attendees: Graham Petto (MDP), Bill Farrington (DJS), Jason Keppler (MDA), Lisa Lowe (DNR), Doug Kampe (MDE), Frank Siano (MDE), Michael Bentivegna (CGIS), Clay Supenski (SHA), Joe White (SHA), Laurie Gawdy (Enterprise Information Solutions), Mike Sheffer (SHA), Rowland Agbede (MDA), Scott Jeffrey (CCBC), Julia Lukens (DBED), Jim Cannistra (MDP), Christina Bell (CGIS), Patrick Gahagan (ESRI), Anthony Puzzo (ESRI), Kaushik Dutta (MdTA), Brad Wolters (DHCD), Kenny Miller (GIO), Jennifer Chadwick-Moore (MHT) and Jon Curtis (Baltimore County)

AGENDA:

- 1:00PM – 1:05PM Introductions
- 1:05PM – 1:10PM Community Map Program Presentation/Demo
 - Introduction of the Program
 - Map Templates
 - Data needed/required
 - Caching (MD84 vs. Web Mercator)
 - Best Practices
 - Reference the webcast workshop
 - Review ArcGIS.com and GeoPortal
- 2:30PM – 2:40PM Break
- 2:40PM – 2:50PM Application Subcommittee Updates
- 2:50PM – 3:00PM Data and Resources Subcommittee Updates
- 3:00PM – 3:10PM Outreach Subcommittee Updates
- 3:10PM – 3:20PM Security Subcommittee Updates
- 3:20PM – 3:30PM Other Business

ACTION ITEMS:

Action Items:	Date Assigned:	Follow Up By:
Metadata Services <ul style="list-style-type: none"> • MDP has provided metadata for all their services on MD iMap • Follow-up concerning how to obtain the missing metadata for services currently being hosted on MD iMap • Email Sent to Kenny • Agency leads from Tech Comm to make progress <ul style="list-style-type: none"> ○ Direct contact of data owners • A listing of services for which metadata is needed was provided. It was discussed that some metadata may not be available from the data producers. This is especially true for the parcel data. Metadata at the 	Updated 8/3/10; 7/12/10; 6/22/10; 5/18/2010; Submitted 4/20/10	Technical Committee; GIO

service level will be written by MDP for parcel data to go along with the MD iMap refresh process.		
Application Subcommittee Action Items:	Date Assigned:	Follow Up By:
Consolidate list of Requirements for a rapid application deployment option (Phase 1)	Submitted 7/12/10	GIO
Application Subcommittee: <ul style="list-style-type: none"> • Generate a Charter – In Progress • Developer's page has been developed and posted to DNR website. Review and provide email comments to Lisa Lowe. • Google search still needs to have the redirect corrected for MD iMap • Table developed of 57 requirements. Includes keywords such as service, tools, etc. It is 95% complete and will be available for review soon – DONE • Extensive discussion on the Broadband mapping application and the need for it to adhere to other State websites as administered by DoIT. The key issue is the amount of "real estate" available on screen for mapping applications. There was recognition that the direction mandated for this application will establish a precedent for future apps. It was generally felt the mapping application should be allowed to use more screen space than what is currently mandated. • Discussion and agreement about applications being expandable to higher resolution monitors. 	Updated 8/4/10; 6/22/10 Submitted 4/20/10	Application Subcommittee
Application Subcommittee: <ul style="list-style-type: none"> • Recruit a developer to participate from MES • Follow up w/Brooks Weaver, Tim Palmer and Kenny Miller • Discussion about impact of changes to data standards and how they impact application usability. Any data changes need to correspond to the application since MD iMap is application centric. 	Updated 8/4/10; 6/22/10 Submitted 4/6/10	Kaushik Dutta; GIO
Data Subcommittee Action Items:	Date Assigned:	Follow Up By:
Respond to Data Layer Prioritization Email <ul style="list-style-type: none"> • Resent email & received 9 responses • Currently compiling responses 	Submitted 5/4/10	Data Subcommittee
Cache Tile Recommendation <ul style="list-style-type: none"> • Follow up with NSGIC State Responses • ESRI Community Map Program <ul style="list-style-type: none"> ○ Research this product ○ Demo from ESRI • Will be sticking with current scaling levels for caching. ESRI, Google and Bing all have same tiling scheme. A decision to change the scheme used by the private vendors will be made after security issues are addressed. 	Submitted 5/4/10	Data Subcommittee, Ashley Buzzeo
Data Subcommittee:	4/6/10	Data

<ul style="list-style-type: none"> • Draft a Charter 		Subcommittee
Follow up with Policy & Procedures documentation for Data Submission and Services Submission <ul style="list-style-type: none"> • Plans to pick this up again at the end of Summer 2010 • No progress on charter 	3/16/10	CGIS, Data Subcommittee

Outreach Subcommittee Action Items:	Date Assigned:	Follow Up By:
Obtain feedback concerning how to improve upon current outreach strategies	5/18/10	Outreach Subcommittee
Generate an email including a brief explanation of the Tech Comm's vision and the Portal web address (Include Lisa Lowe) <ul style="list-style-type: none"> • Email will be blasted by Tech Comm members to extended GIS community • Vision document needs to be updated to be included 	Updated 5/18/10; 4/20/10	Outreach Subcommittee
Outreach Subcommittee: <ul style="list-style-type: none"> • Recruit participants • Setup a meeting / conference call with all participants 	4/20/10	Outreach Subcommittee
Outreach Subcommittee: <ul style="list-style-type: none"> • Generate a Charter 	4/20/10	Outreach Subcommittee
Obtain additional MD iMap Technical Committee members through outreach <ul style="list-style-type: none"> • Email potential new members (Doug Adams has potential member emails) 	3/16/10	Outreach Subcommittee, Co-chairs

Security Subcommittee Action Items:	Date Assigned:	Follow Up By:
Obtain Enterprise Security Mapping Models from other states (In Progress) <ul style="list-style-type: none"> • Exploring other states and users. Many other use communities tend to be more centralized in administration. Exploring software that supports auto-registration of secure services. 	5/4/10	Security Subcommittee

Completed Action Items:	Date Assigned:	Follow Up By:
ESRI will be invited to July 20 th Technical Committee meeting for Community Mapper presentation, demo and discussion <ul style="list-style-type: none"> • Community Mapper Demo & Presentation scheduled for 8/3 Technical Committee meeting from 1 – 2:30p.m. (confirmation needed) 	Updated 7/12/10; Submitted 6/22/10	Co-chairs, Ashley Buzzeo
Contact DoIT representative to participate in Tech. Comm. <ul style="list-style-type: none"> • No regular representative is available, but DoIT can be consulted as needed 	Updated 7/12/10 Submitted 3/2/10	GIO
Check with DoIT about an existing state-level Change Control Policy <ul style="list-style-type: none"> • No document available 	Updated 7/12/10	Co-chairs, GIO

MEETING NOTES:

Introductions

§ *Round-the-room.*

Community Mapper Presentation/Demo

§ Source of data – owner's data

§ Hosted in Amazon Cloud

§ No hosting costs or support charges

- Accept cached tiles and load into system
- Also willing to accept 6" imagery that is available

§ Worldwide imagery available through ESRI – 15 meter resolution

§ US imagery available through ESRI – 1 meter resolution

§ Neutral basemap to underlie working data

§ 1:18,000 – 1:1,128: data at these scales is locally provided to ESRI

- Data above these scales provided solely by ESRI
- ESRI will work to blend local data with surrounding areas
- MD will need to decide what scale levels to contribute

§ MD can provide as much or as little data as you want

§ Planimetric & topographic contribution is common

§ www.esri.com/communitymap

§ Web Mercator projection used

§ Edgematching with other states

- Have to research what surrounding states have and have contributed to ESRI

• Locally projected compact cache (State Plane)

- Host locally or at ESRI

• Currently no export capabilities

- Long-term plan to add export capabilities or other options to extract data from the system?
- Currently no access through arcgisonline to download service data
- What is ESRI's business model for this product?
- Share content

• Mashup with ESRI data

• Everyone running ArcGIS Server

§ Agreement must be signed and internal policies will influence what is included in this agreement

- Include to only share as cached data

- Have signed by state and counties to replicate MD iMap services to ESRI Community Map

§ ESRI providing edgematching?

• What value added benefits are there to participating?

• Alternatively: use arcgisonline as geoportal

- Register service for export & download

- Geoportal: metadata
- § ArcGIS Online Mashup
 - Reprojects on-the-fly
 - Allows address lookup
 - Share bit URL to others
 - End of URL & add to embedded map service
 - Only public services right now
 - Import layer packages possible
- § Public/Private Groups available for data sharing
- § Map Templates available for download
 - resources.esri.com/mapTemplates
- § Webcast Workshop available
 - 8/16 – 8/18 (all day)
- § Community Map Development Process
 - Slide to layout edgematching resolution, data model usage requirement (Data Interoperability extension & FME workbench tool usage required – ETL process)
- § Decide to give ESRI data – QZ & put in ETL and data model for state, webcast to discuss findings
OR
- § Someone attend workshop (free) & do data upload internally
 - Opportunity for training alongside learning directly how to contribute to community map
 - ESRI provides external hard drive for transfer of data
- § Supplement out data with other data provider data (third party), for example national vegetation
- § ROI – “get to push your data out to more people” – Anthony Puzzo
- § State Plane projection can be provided & hosted for use (eliminate additional storage space needed locally)
 - Scripts can be written for updating to the Cloud
 - Automated scripting updates (Python – some scripts available online)
- § Hillshade/DEM – DNR (available on-line)
 - Get to ESRI for them to process contours?
 - Service of DEM & Hillshade put up in Cloud
- § Can pick and choose what data to contribute
 - Roads and one or two others, at minimum – Patrick Gahagan
 - Write into agreement
 - Geoprocessing service, so users can clip out area needed
- § What extras do we need to ask people to do to prepare data for continuous updates and inclusion in Community Mapper versus benefits of contributing?
- § Next steps:
 - Agreement signed
- § GeoPortal Toolkit ⌘ now known as Geoportal Extension 10
 - Web extension for ArcGIS Server
 - Search, discover, catalog
 - KML
 - Shapefile

- RSS
- Map Services
- Etc...
- Alerts sent to email if data change occurs
- Subscriptions
- Site starter application, build out your look and feel
- Out of box search widgets for Flex
- Website can search data directly in application
- Skinnable to look like MD iMap
- Security protocols can be setup around it
- Search within an extent
- Included with ELA
 - Shareable data instances
- Third party software connects to this
- § Email questions to Anthony for Community Mapper by Thurs. 8/5
 - Anthony meeting with Community Mapper developers in Redlands, CA
- § Arc10 Training (Free) – Sept/Oct in Columbia, MD

Application Subcommittee Updates

- § Follow up with Kenny Miller concerning status of Rapid Application Prototype requirements list for Phase 1 deployment
- § Follow up with Kenny Miller concerning developer for Rapid Application Prototype Application development
- § Deadline for deployment of Phase 1: End of August
- § Charter Documentation in progress

Data and Resources Subcommittee Updates

- § Next meeting – August 12, 2010 11a.m. – 12pm (Teleconference)
 - Agenda: Framework Layers & Google Urchin
- § Charter Document being reviewed by Subcommittee

Outreach Subcommittee Updates

- § Next meeting: TBD
- § Charter Document ready for review by 8/31
- § Mass email to be sent 8/31 to solicit participation
 - Email addresses from MSGIC email list will be included
- § Vision Statement: need 1 to 3 sentences saying what MD iMap is
 - Scott Jeffrey to present a vision statement to group for comments by 8/6

Security Subcommittee Updates

- § Next Meeting: 8/21 (Second Hour of MD iMap Tech Comm Mtg)
 - Attendees should include sensitive data owners, including those from counties including Fire & Police
 - Working to get outline to Tech Comm for review & have update to Exec. Comm. for 8/26 meeting

- **Tabletop exercise at Emergency Management Workshop in September**
 - **Obtained a new contact in Arizona that might provide some work around feedback concerning our security considerations**
- **Group Needs: solutions for groups & how this will marry to AGS options**
 - **Solicit comments for more needs or missed the mark from sensitive data owners**
 - **Get broader input from sensitive data owners**

Review of July 12, 2010 Meeting Minutes

- § **Metadata: MDP (Jim Cannistra) has provided CGIS with metadata for all MDP services on MD iMap infrastructure**
- § **Send MD iMap Portal Developer's page comments to Lisa Lowe**
- § **Send additional information or resources to include on MD iMap Portal Developer's page to Lisa Lowe**

Additional Business

- § **Mini-Conference: GIS Applications for Business**
 - **2 to 4 hours – Introduction of GIS to Business Community**
 - **Expected Date: January 2011**
 - **Location: CCBC – Catonsville campus**
 - **Invite 40 prospective business leaders**
 - **Currently soliciting comments or feedback**

-END MEETING-